

Notice of Allowability

Application No.

10/600,421

Examiner

Heather R. Jones

Applicant(s)

WANG ET AL.

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the application filed on June 23, 2003.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Allowable Subject Matter

1. Claims 1-6 are allowed.
2. The following is an examiner's statement of reasons for allowance: Prior art fails to teach or fairly suggest a computer device capable of playing DVD films without the need of running an operating system, comprising a DVD control switch disposed on the computer keyboard unit and connected to the power switching module, wherein the power switching module functions as a controller when the DVD control switch is activated to turn on the work power of the keyboard controller, the DVD-ROM, the DVD format and image decoder, the multiplexer, the image processor, the LVDS transmitter, the LCD monitor, the audio amplifier, and the speaker. Furthermore the claim goes on to state that the computer keyboard unit comprises a keyboard controller, a low-voltage differential signal (LVDS) transmitter, wherein the LVDS transmitter has an output end connected to a liquid crystal display (LCD) monitor; a DVD-ROM for reading and outputting audio/video DVD data; a DVD format and image decoder connected to the DVD-ROM through a multiplexer, the DVD format and image decoder having an output end connected to an audio amplifier, which has an output end connected to a speaker, wherein an image processor connects the DVD format and image decoder with the LVDS transmitter, and wherein the DVD format and image decoder is used to transform the inputted IDE interface signals from the multiplexer into RGB digital signals and analog signals, then, the DVD format and image decoder outputs the RGB digital signals to the image processor, the image processor outputs RGB digital signals to the LVDS transmitter, the LVDS transmitter sends low-voltage differential signals to the

Art Unit: 2621

LCD monitor for displaying, and wherein the analog signals are sent to the audio amplifier and then to the speaker (claims 1-6). The combination of the components that are activated is the main allowable feature.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Cole et al. (U.S. Patent 6,839,836) discloses playing a DVD without booting up the entire computer system (col. 1, line 66 – col. 2, line 11; col. 3, lines 25-35; col. 5, lines 6-9), but fails to disclose which devices are activated and need to playback a DVD.
- b. Lee (U.S. Patent 6,920,573) discloses playing a DVD without booting up the entire computer system (col. 1, lines 17-22), but fails to disclose which devices are activated and which are not.
- c. Du et al. (U.S. Patent Application Publication 2004/0006690) discloses a computer device comprising a CPU, a north and south bridge chipset, a speaker and an amplifier, and an LCD monitor (Fig. 3), but fails to playback a DVD

without booting up the entire system and disclosing which components are necessary to only playback a DVD.

d. Hailey et al. (U.S. Patent 6,507,495) discloses a low-voltage differential signal (LVDS) transmitter (776), wherein the LVDS transmitter has an output end connected to a liquid crystal display (LCD) monitor (786) (Fig. 7), but fails to playback a DVD without booting up the entire system and disclosing which components are necessary to only playback a DVD.

e. Oba et al. (U.S. Patent Application Publication 2004/0248617) discloses a computer device that is being controlled by a remote controller (Fig. 28), but fails to playback a DVD without booting up the entire system and disclosing which components are necessary to only playback a DVD.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Heather R. Jones whose telephone number is 571-272-7368. The examiner can normally be reached on Mon. - Thurs.: 7:00 am - 4:30 pm, and every other Fri.: 7:00 am - 3:30 pm.

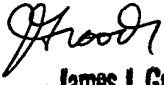
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Heather R Jones
Examiner
Art Unit 2621

HRJ
April 2, 2007


James J. Groody
Supervisory Patent Examiner
Art Unit 2621 2621